



Transportation Permits Policy Memorandum

Subject: 4 or 5 AXLE CRANES – TRIDEM BONUS WEIGHT
Date: May 19, 2015
Policy: TPPM 2011-02 (Revised)
Reference: CTPAC WG4-111203-002, WG12- 090104-001, WG12-080708-001

Objective

This policy will allow cranes with four (4) or five (5) axles a maximum of 60,000 lbs on a qualifying tridem axle group, without a boom dolly or trailer. TPPM 2011-02, issued on April 25, 2011, has been revised. The requirement that qualifying truck cranes are equipped with hydrogas suspension has been removed. This allows additional existing equipment to qualify for tridem bonus weight

Existing Documentation

- Transportation Permits Manual (TPM) Section 305.3.6 Allowable Axle Weight
- TPPM 2009-01, TPPM 2009-02, Weight Chart Plates 25-4 and 25-5.

Transportation Permit Manual Changes

Add fourth bullet to Section 305.3.6 to read as follows:

Section 305.3.6 Allowable Axle Weight (fourth bullet)

- Cranes with four (4) or five (5) axles are allowed weights in accordance with tridem bonus "purple" weight chart. To qualify for maximum tridem bonus weight, the cranes shall meet all of the following requirements:
 1. Crane and boom shall not be attached to a boom dolly or trailer.
 - ~~2. All axles are equipped with hydrogas suspension.~~
 3. Axles cannot be close coupled.
 4. No load transfer allowed.
 5. Vehicle combination contains only one (1) bonus tridem group.
 6. Tridem axle distance measures no less than 8'-0" and no greater than 10'-4" from the centerline of the first axle to the centerline of the last axle within the tridem group.
 7. Axles have a minimum width of 8'-0" sidewall to sidewall, not including the load induced tire bulge.
 8. Minimum of four (4) tires per axle.

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Section 305.3.6 Allowable Axle Weight (fourth bullet), continued

9. Boom height shall comply with California Vehicle Code (CVC), Section 35407 (c) and (d).
CVC 35407(c) No part of the structure which extends beyond the front tires shall be less than seven feet from the roadway.
CVC 35407(d) The driver's vision shall not be impaired by the projecting or supporting structure.
10. Axle group weight shall be determined by the Department and is limited by equipment capacity.
11. Crane must be inspected by a Caltrans' Vehicle Inspector and have a valid Inspection Report.
12. The following weight chart contains the maximum allowable tridem bonus axle weights:

| Ft/In | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8 | 57,960 | 58,061 | 58,161 | 58,262 | 58,363 | 58,463 | 58,564 | 58,664 | 58,765 | 58,866 | 58,966 | 59,067 |
| 9 | 59,168 | 59,268 | 59,369 | 59,469 | 59,570 | 59,671 | 59,771 | 59,872 | 59,973 | 60,000 | 60,000 | 60,000 |
| 10 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | | | | | | | |

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5/21/15

Date